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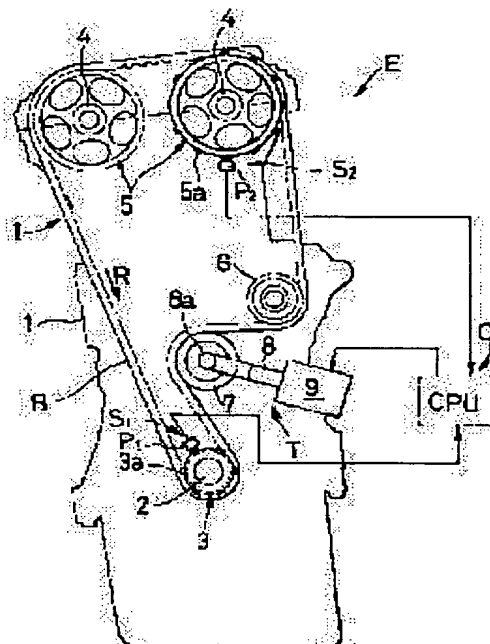
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(54) TENSION ADJUSTING DEVICE FOR ENDLESS TRANSMISSION BELT IN INTERNAL COMBUSTION ENGINE

(57)Abstract:

PURPOSE: To provide a tension adjusting device for adjusting the tension of an endless transmission belt provided in an internal combustion engine in accordance with a condition of tension of the endless transmission belt, which can rapidly and precisely cope with a small change in tension of the endless transmission belt without special use of a strain gauge.

CONSTITUTION: A tension transmission device is composed of a control means C for automatically adjusting a tension applied to an endless transmission belt B from a tensioner, a drive side rotating condition detecting means S1 for detecting a rotating condition of a drive wheel 3 for driving the endless transmission belt B, a driven side rotating condition detecting means S2 for detecting a rotating condition of a driven wheel 5 driven by the endless transmission belt B, and a control device CPU for computing a rotational phase difference X between the drive and driven wheels 3, 5 from results of detection by both detecting means S1, S2 so as to control the operation of a tension changing device 9 in accordance with the rotational phase difference.



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